



Quality Assurance Project Plan

RI Water Column Monitoring/High Volume Chemical Data Collection
Lower Passaic River Restoration Project
New Jersey

Section: Worksheet #19
Revision: 0
Date: June 2012
Page 1 of 2

QAPP Worksheet #19 (UFP-QAPP Manual Section 3.1.1) Analytical SOP Requirements Table

Matrix	Analytical Group	Concentration Level	Analytical and Preparation Method/SOP Reference ^a	Sample Size ^b	Containers (number, size, and type)	Preservation Requirements	Maximum Holding Time ^c (preparation/analysis)
Solid (Separated Solids)	PCBs (Homologs and Congeners)	Low	AP-3	Entire Contents of Vortex Cup and Flat Filter	8 ounce (oz) wide mouth glass (amber preferred)	During shipment: 0-6°C; store in the dark; upon arrival at lab: store at <-10°C in the dark	365 calendar days for preparation and analysis
Solid (Sorption Media [PUF])	PCBs (Homologs and Congeners)	Low	AP-3	Entire PUF Sorbent	PR2900 Sorbent Cartridge	During shipment: 0-6°C; store in the dark; upon arrival at lab: store at <-10°C in the dark	365 calendar days for preparation and analysis
Solid (Separated Solids)	PCDD/Fs	Low	AP-1	Entire Contents of Vortex Cup and Flat Filter	8 oz wide mouth glass (amber preferred)	During shipment: 0-6°C; store in the dark; upon arrival at lab: store at <-10°C in the dark	365 calendar days for preparation and analysis
Solid (Sorption Media [PUF])	PCDD/Fs	Low	AP-1	Entire PUF Sorbent	PR2900 Sorbent Cartridge	During shipment: 0-6°C; store in the dark; upon arrival at lab: store at <-10°C in the dark	365 calendar days for preparation and analysis



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Page 2 of 2

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Water	POC/DOC	Low	C-13, C-16	500 milliliter (mL)	2 x 250mL plastic	0-6°C	Ship to the laboratory and filter using a 0.7um glass fiber filter within 48 hours. Filters and filtrates must be analyzed within 28 days
Water	SSC	Low	C-17	2 L	Two tared 1-L plastic	4±2°C; store in the dark; weigh entire sample bottle to nearest 0.1 g and record weight upon receipt at laboratory	28 days to analysis

^a Refer to Worksheet #23 for SOP titles.

^b Sample size is the minimum requested by each laboratory to perform the requested analysis; minimum sample size requirements reflect the additional sample needed to permit the laboratory to achieve the project QLs. Additional sample volume is need for field QC samples (e.g., MSs).

^c Begins at time of collection.